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INDEX TO AMERICAN BOTANICAL LITERATURE

1921

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Kern, F. D.** Distribution of *Berberis vulgaris* in Pennsylvania. Bull. Torrey Club **48**: 263-269. 31 D 1921.
- Kern, F. D.** The J. Roberts Lowrie Herbarium. Torreyia **20**: 79-81. O 1921.
- Kern, F. D.** Observations of the dissemination of the barberry. Ecology **2**: 211-214. 3 D 1921.
- Keuchenius, P. E.** Die Rindenbräune der *Hevea brasiliensis*. Centralbl. Bakt. Parasitenk. u. Infektionskr. **55**: 14-74. f. 1-33. 18 N 1921.
- Keys, A.** The Agricultural Department, Dominica. Kew Bull. Misc. Inform. **1921**: 67-85. 1921.
- Khadilkar, T. R.** A sectorial chimera in maize. Jour. Hered. **12**: 284. f. 34. 23 S 1921.
- Klugh, A. B.** The marine algae of the Passamaquoddy region, New Brunswick. Contrib. Canad. Biol. **1917**: 79-84. pl. 8. 1917.
- Klugh, A. B.** Springtime in the woods. Am. For. **27**: 317-319, 324. My 1921. [Illust.]

- Knowlton, C. H.** Herbarium of Rev. W. P. Alcott. *Rhodora* 23: 47. 5 Ap 1921.
- Knowlton, F. H.** Criteria for determination of climate by means of fossil plants. *Bull. Geol. Soc. Amer.* 32: 353-358. 1 S 1921.
- Knox, A. A.** The induction, development, and heritability of fasciations. *Carnegie Instit. Washington Publ.* 98: 1-18. *pl.* 1-5 + *f.* 1. 1908.
[This is the second paper of this publication.]
- Knudson, L., & Ginsburg, S.** Suggestions with respect to the measurement of osmotic pressure. *Am. Jour. Bot.* 8: 164-170. *f.* 1. 3 Ap 1921.
- Knunker, A.** Hans Freiherr von Türckheim. *Gartenflora* 70: 19-22. 15 Ja 1921.
Von Türckheim collected chiefly in Guatemala
- Koch, E., & Rumbold, C.** *Phoma* on sweet sorghum. *Phytopathology* 11: 253-268. *pl.* 9-11 + *f.* 1-3. 15 N 1921.
- Kräusel, R.** Ist *Taxodium distichum* oder *Sequoia sempervirens* Charakterbaum der deutschen Braunkohle? *Ber. Deutsch. Bot. Ges.* 39: 258-263. *f.* 1-3. 10 S 1921.
Includes a discussion and illustrations of the parenchyma of *Taxodium mexicanum*.
- Krieger, L. C. C.** Is *Amanita pantherina* edible or poisonous? *Mycologia* 13: 270, 271. 8 O 1921.
- Lachmund, H. G.** Some phases in the formation of fire scars. *Jour. For.* 19: 638-640. O 1921.
- Leighty, C. E., & Boshnakian, S.** Genetic behavior of the spelt form in crosses between *Triticum spelta* and *Triticum sativum*. *Jour. Agr. Research* 22: 335-364. *pl.* 33 + *f.* 1-3. 12 N 1921.
- Leonian, L. H.** Studies on the *Valsa* apple canker in New Mexico. *Phytopathology* 11: 236-243. 21 O 1921.
- Lindau, G.** Eine neue *Aphelandra*-Art. *Notizbl. Bot. Gart. u. Mus. Berlin-Dahlem* 8: 50. 1 S 1921.
Aphelandra Dusenii from Brazil.

- Lipman, C. B.** A contribution to our knowledge of soil relationships with *Citrus* chlorosis. *Phytopathology* 11: 301-305. 9 D 1921.
- Loeb, J.** The quantitative basis of the polar character of regeneration in *Bryophyllum*. *Science* II. 54: 521, 522-25 N 1921.
- Long, C. A. E.** Some rare plants from Knox County, Maine. *Rhodora* 23: 198, 199. 15 D 1921.
- Lyon, C. J.** Comparative studies on respiration, XVIII. Respiration and antagonism in *Elodea*. *Am. Jour. Bot.* 8: 458-463. *f.* 1, 2. 19 D 1921.
- Macoun, J. M., & Holm, T.** The vascular plants of the arctic coast of America west of the 100th meridian, collected by the Canadian Arctic Expedition, 1913-18. *Rep. Canad. Arctic Exped.* 1913-18. 5A: 5-25. *pl.* 1-3. 14 O 1921.
- Magrou, J.** Symbiose et tuberisation. *Ann. Sci. Nat. Bot.* X. 3: 181-275. *pl.* 1-9 + *f.* 1-9. N 1921.
- Mains, E. B.** Unusual rusts on *Nyssa* and *Urticastrum*. *Am. Jour. Bot.* 8: 442-451. *f.* 1-6. 19 D 1921.
Includes *Aplospora*, gen. nov.
- Marsh, C. D., & Clawson, A. B.** The Mexican whorled milkweed (*Asclepias mexicana*) as a poisonous plant. U. S. Dept. Agr. Bull. 969: 1-16. *pl.* 1-3 + *f.* 1. 6 O 1921.
- Marsh, C. D., Clawson, A. B., Couch, J. F., & Marsh, H.** Western sneezeweed (*Helenium Hoopesii*) as a poisonous plant. U. S. Dept. Agr. Bull. 947: 1-46. *pl.* 1, 2 + *f.* 1-5. 11 O 1921.
- McWhorter, F. P.** Destruction of mosses by lichens. *Bot. Gaz.* 72: 321-325. *pl.* 13. 15 N 1921.
- Mead, C. W.** Indian corn or maize. *Nat. Hist.* 21: 408-413. O 1921. [Illust.]
- Menzies, D.** Sir Archibald Menzies, R. N. *Gard. Chron.* 70: 324. 24 D 1921.
- Merrill, E. D.** Review of the new species of plants proposed by N. L. Burman in *Flora Indica*. *Philipp. Jour. Sci.* 19: 329-388. S 1921.

- Metcalf, W.** Notes on the Bishop pine (*Pinus muricata*). Jour. For. **19**: 886-902. D 1921. [Illust.]
- Miller, H. G.** Further studies on relation of sulphates to plant growth and composition. Jour. Agr. Research **22**: 101-110. 8 O 1921.
- Moffatt, W. S.** Why Illinois prairie flowers have disappeared. Nat. Stud. Rev. **17**: 307-309. N 1921.
- Molfino, J. F.** Contribución a la flora de la región de Bahía Blanca (Argentina). Physis **5**: 1-27. 31 O 1921. [Illust.]
- Mulford, F. L.** Trees with bright autumn foliage. Am. For. **27**: 648-655. O 1921. [Illust.]
- Munns, E. N.** Coulter pine. Jour. For. **19**: 903-906. D 1921.
- Munns, E. N.** Effect of location of seed upon germination. Bot. Gaz. **72**: 256-260. 15 O 1921.
- Orton, C. R., & Weiss, F.** The reaction of first generation hybrid potatoes to the wart disease. Phytopathology **11**: 306-310. 9 D 1921.
- Osborne, T. B., Wakeman, A. J., & Leavenworth, C. S.** The proteins of the alfalfa plant. Jour. Biol. Chem. **49**: 63-91. N 1921.
- Pascher, A.** Über die Übereinstimmungen zwischen den Diatomeen, Heterokonten und Chrysomonaden. Ber. Deutsch. Bot. Ges. **39**: 236-248. f. 1-6. 10 S 1921.
- Pemberton, C. C.** Overgrowth of stumps of conifers. Canad. Field Nat. **35**: 81-87. f. 1-4. 22 N 1921.
- Perry, W. J.** Some observations on the relation of soil moisture to height growth of pine saplings. Jour. For. **19**: 752, 753. N 1921.
- Perry, W. J.** Yellow pine reproduction. Jour. For. **19**: 622-631. O 1921.
- Plaisance, G. P., & Hammer, B. W.** The mannitol-producing organisms in silage. Jour. Bact. **6**: 431-443. S 1921.
- Pomeroy, C. S.** Bud variation in *Eleagnus*. Jour. Heredity **12**: 227-230. f. 19, 20. 23 S 1921.

- Puttick, G. F.** The reaction of the F_2 generation of a cross between a common and a durum wheat to two biologic forms of *Puccinia graminis*. *Phytopathology* **11**: 205-213. 6 O 1921.
- Raber, O. L.** The effect upon permeability of polyvalent cations in combination with polyvalent anions. *Am. Jour. Bot.* **8**: 382-385. *f. 1.* 14 N 1921.
Studies of *Laminaria*.
- Raber, O. L.** The effect upon permeability of (I) the same substance as cation and anion, and (II) changing the valency of the same ion. *Am. Jour. Bot.* **8**: 464-470. *f. 1, 2.* 19 D 1921.
- Rangel, E.** Nota sobre dois fungos. *Arch. Escol. Super. Agr. e Med. Veter.* **5**: 35-40. *pl. 3-5.* S 1921.
Oswaldia, gen. nov., and *Peniotrichum saccardinum*, sp. nov.
- Record, S. J.** Figure in wood. *Am. For.* **27**: 611-617. O 1921. [Illust.]
- Rehder, A.** Plant nomenclature: more suggestions. *Jour. Bot.* **59**: 289-294. O 1921.
- Reinking, O. A.** Fiji disease of sugar cane in the Phillippine Islands. *Phytopathology* **11**: 334-337. *pl. 15, 16.* 9 D 1921.
- Reinking, O. A., & Groff, G. W.** The Kao Pan seedless Siamese pummelo and its culture. *Philipp. Jour. Sci.* **19**: 389-437. *pl. 1-16 + f. 1.* O 1921.
- Rendle, A. B.** *Elisia*, an overlooked genus-name. *Jour. Bot.* **59**: 261-264. S 1921.
Includes reprint of the original publication of this genus and its 3 species by "Milano" in *New Orleans Med. & Surg. Jour.* **1847**: 614-616. 1847.
- Renner, O.** Das Rotnervenmerkmal der Onotheren. *Ber. Deutsch. Bot. Ges.* **39**: 264-270. 10 S 1921.
- Richards, B. L.** A dryrot canker of sugar beets. *Jour. Agr. Research* **22**: 47-52. *pl. 4-9.* 1 O 1921.
- Roark, E. W.** The *Septoria* leaf spot of *Rubus*. *Phytopathology* **11**: 328-333. 9 D 1921.
Due to *Mycosphaerella Rubi*, sp. nov.

- Roberts, J. W.** Plum blotch, a disease of the Japanese plum, caused by *Phyllosticta congesta* Heald and Wolf. Jour. Agr. Research **22**: 365-370. *pl.* 34 + *f.* 1, 2. 12 N 1921.
- Robinson, T. R.** The bud-sport origin of a pink-fleshed grapefruit in Florida. Jour. Hered. **12**: 195-198. 23 S 1921. [Illust.]
- Rogers, E. C.** Influence of the period of transplanting western white pine seedlings upon their behavior in nursery and plantation. Jour. Agr. Research **22**: 33-46. *f.* 1-7. 1 O 1921.
- Round, E. M.** *Odontopteris genuina* in Rhode Island. Bot. Gaz. **32**: 397-403. *f.* 1-5. 15 D 1921.
- Rumbold, C., & Tisdale, E. K.** Notes on *Phoma insidiosa* Tass. found on Sudan grass. Phytopathology **11**: 345. 9 D 1921.
- Ruschmann, W.** Die Cohune- oder Corozonüsse Mittelamerikas. TROPENPFLANZER **24**: 147, 148. O 1921.
- Satterthwait, A. F.** Notes on the food plants and distribution of certain billbugs. Ecology **2**: 198-210. *f.* 1. 3 D 1921.
- Schlechter, R.** Die Thismieae. Notizbl. Bot. Gart. u. Mus. Berlin-Dahlem **8**: 31-45. 1 S 1921.
Includes *Triurocodon*, gen. nov., from Brazil, and new American species in *Sarcosiphon* (1), *Myostoma* (1).
- Schüepf, O.** Zur Theorie der Blattstellung. Ber. Deutsch. Bot. Ges. **39**: 249-257. *f.* 1, 2. 10 S 1921.
- Schultz, E. S.** A transmissible mosaic disease of Chinese cabbage, mustard, and turnip. Jour. Agr. Research **22**: 173-178. *pl.* B. 15 O 1921.
- Seymour, E. K., & McFarland, F. T.** Loss from rye ergot. Phytopathology **11**: 285-289. *f.* 1, 2. 15 N 1921.
- Shapovalov, M., & Edson, H. A.** Blackleg potato tuber-rot under irrigation. Jour. Agr. Research **22**: 81-82. *pl.* 13-16 + *pl.* A. 8 O 1921.
- Showalter, A. M.** Chromosomes of *Conocephalum conicum*. Bot. Gaz. **72**: 245-249. *pl.* 4, 5. 15 O 1921.
- Sievers, A. F., & McIntyre, J. D.** Changes in the composition of paprikas (*Capsicum annuum*) during the growing period. Jour. Am. Chem. Soc. **43**: 2101-2104. S 1921.

- Sinnott, E. W.** The relation between body size and organ size in plants. *Am. Nat.* **55**: 385-403. *f.* 1, 2. O 1921.
- Skinner, J. J., & Reid, F. R.** Nutrient requirements of clover and wheat in solution cultures. *Soil. Sci.* **12**: 287-296. *pl.* 1. O 1921.
- Small, J. K.** Along the Juniata River [Pennsylvania]. *Jour. New York Bot. Gard.* **22**: 168-171. S 1921.
- Small, J. K.** Another *Sonchus* for America. *Torreya* **21**: 100, 101. D 1921.
Records the finding of the European *Sonchus uliginosus* in Pennsylvania.
- Small, J. K.** *Cercis chinensis*. Chinese redbud. *Addisonia* **6**: 33, 34. *pl.* 209. 24 O 1921.
- Small, J. K.** *Monarda didyma*. Oswego-tea. *Addisonia* **6**: 47, 48. *pl.* 216 24 O 1921.
- Smiley, F. J.** A report upon the boreal flora of the Sierra Nevada of California. *Univ. California Publ. Bot.* **9**: 1-423. *pl.* 1-7. S 1921.
Includes 21 new names or combinations.
- Spencer, E. R.** Decay of Brazil nuts. *Bot. Gaz.* **72**: 265-292. *pl.* 8-12 + *f.* 1-3. 15 N 1921.
Includes new species in *Pellioniella* (1), *Cephalosporium* (1), *Phomopsis* (1).
- Spink, H. M.** The geographical distribution of commercial timber in the Pacific States of North America and its significance to the lumber industry. *Scottish Geog. Mag.* **37**: 257-266. 15 O 1921. [Illust.]
- Sprague, T. A.** The generic name *Schizonotus*. *Jour. Bot.* **59**: 249-251. S 1921.
- Sprague, T. A.** Plant dermatitis. *Jour. Bot.* **59**: 308-310. N 1921.
- Steil, W. N.** Vegetative reproduction and aposporous growths from the young sporophyte of *Polypodium irioides*. *Bull. Torrey Club* **48**: 203-205. 26 S 1921.
- Steil, W. N.** The development of prothallia and antheridia from the sex organs of *Polypodium irioides*. *Bull. Torrey Club* **48**: 271-277. *pl.* 4 + *f.* 1-4. 31 D 1921.

- Sure, B., & Read, J. W.** Biological analysis of the seed of the Georgia velvet bean, *Stizolobium Deeringianum*. Jour. Agr. Research **22**: 5-15. *f. 1-15.* 1 O 1921.
- Swanson, C. O.** Hydrocyanic acid in Sudan grass. Jour. Agr. Research **22**: 125-138. 15 O 1921.
- Tavares, J. S.** Cecidologia brasileira. Broteria, Zool. **19**: 97-112. 1 D 1921.
- Taylor, F. B.** The literature of diatoms. Trans. Am. Micr. Soc. **40**: 187-194. O 1921.
- Taylor, M. W.** Internal aecia of *Puccinia albiperidia* Arthur. Phytopathology **11**: 343, 344. *f. 1.* 9 D 1921.
- Taylor, N.** Endemism in the Bahama flora. Ann. Bot. **35**: 523-532. O 1921.
- Taylor, N.** Plant immigrants and natives: a comparison. Brooklyn Bot. Gard. Leaflet IX. **9**: 1-7. 26 O 1921.
- Thaxter, R.** Lincoln Ware Riddle. Rhodora **23**: 181-184. 15 D 1921.
- Thom, C., & Lefevre, E.** Flora of corn meal. Jour. Agr. Research **22**: 179-188. 22 O 1921.
- Thompson, W. P.** A botanical trip through German South-west Africa. Canad. Field Nat. **35**: 74, 75. 25 O 1921.
- Townsend, C. O.** The beet-sugar industry in the United States. U. S. Dept. Agr. Bull. 995: 1-58. *pl. 1-10.* 14 O 1921.
- Urban, I.** Plantae Caribaeae. Notizbl. Bot. Gart. u. Mus. Berlin-Dahlem **8**: 25-30. 1 S 1921.
Includes new species in *Capparis* (1), *Sloanea* (1), *Pachira* (1), *Basanacantha* (1).
- Vaupel, F.** *Echinopsis mamilliosa* Gürke. Monatschr. Kakteenk. **31**: 152-155. O 1921. [Illust.]
- Vinall, H. W., & Getty, R. E.** Sudan grass and related plants. U. S. Dept. Agr. Bull. 981: 1-68. *f. 1-25.* 21 D 1921.
- Wagner, E.** Einiges über *Malacocarpus*. Monatschr. Kakteenk. **31**: 143, 144. S 1921.